

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): An image normalization processing system comprising:
an image reading apparatus including reading means for reading an image to obtain image data representing the image and reading side normalization processing condition determining means for determining a normalization processing condition for the image read by the reading means, the image reading apparatus outputting the image data; and
an image receiving apparatus connected to the image reading apparatus and including receiving side normalization processing condition determining means for determining a normalization processing condition for the image based on the image data and normalization processing means for carrying out normalization processing using the normalization processing condition determined by the receiving side normalization processing condition determining means on the image data;
wherein the normalization processing condition determined on the reading side is capable of being directly used for normalization processing.

2. (currently amended): An image normalization processing system comprising:
an image reading apparatus including reading means for reading an image to obtain image data representing the image and reading side normalization processing condition determining means for determining a normalization processing condition for the image read by the reading means, the image reading apparatus outputting the image data and reduced image

AMENDMENT UNDER 37 C.F.R. § 1.114 (c)
U. S. Application No. 09/281,969

data generated from the image data by the reading side normalization processing condition determining means; and

an image receiving apparatus connected to the image reading apparatus and including receiving side normalization processing condition determining means for determining a normalization processing condition for the image based on the reduced image data, and normalization processing means for carrying out normalization processing on the image data under the normalization processing condition determined by the receiving side normalization processing condition determining means;

wherein the normalization processing condition determined on the reading side is capable of being directly used for normalization processing.

3. (currently amended): An image normalization processing system comprising:

an image reading apparatus including reading means for reading an image to obtain image data representing the image and reading side normalization processing condition determining means for determining a normalization processing condition for the image read by the reading means, the image reading apparatus outputting the image data and the normalization processing condition; and

an image receiving apparatus connected to the image reading apparatus and including normalization processing means for carrying out normalization processing on the image data under the normalization processing condition and condition changing means for changing the normalization processing condition; wherein

AMENDMENT UNDER 37 C.F.R. § 1.114 (c)
U. S. Application No. 09/281,969

the normalization processing means is capable of carrying out normalization processing on the image data under the normalization processing condition changed by the condition changing means; and

the normalization processing condition determined on the reading side is capable of being directly used for normalization processing.

4. (currently amended): An image normalization processing system comprising:
an image reading apparatus including reading means for reading an image to obtain image data representing the image and reading side normalization processing condition determining means for determining a normalization processing condition for the image read by the reading means, the image reading apparatus outputting the image data and a parameter for determining the normalization processing condition; and

an image receiving apparatus connected to the image reading apparatus and including receiving side normalization processing condition determining means for determining a normalization processing condition for the image based on the image data and the parameter, and normalization processing means for carrying out normalization processing on the image data under the normalization processing condition determined by the receiving side normalization processing condition determining means;

wherein the normalization processing condition determined on the reading side is capable of being directly used for normalization processing.

6. (currently amended): An image normalization processing system comprising:
an image reading apparatus including reading means for reading an image to obtain image data representing the image and reading side normalization processing condition

AMENDMENT UNDER 37 C.F.R. § 1.114 (c)
U. S. Application No. 09/281,969

determining means for determining a normalization processing condition for the image read by the reading means, the image reading apparatus outputting the image data, the normalization processing condition, and a parameter for determining the normalization processing condition; and

an image receiving apparatus connected to the image reading apparatus and including normalization processing means for carrying out normalization processing on the image data under the normalization processing condition and condition changing means for changing the normalization processing condition based on the parameter; wherein

the normalization processing means is capable of carrying out normalization processing on the image data under the normalization processing condition changed by the condition changing means; and

the normalization processing condition determined on the reading side is capable of being directly used for normalization processing.

7. (currently amended): An image normalization processing system comprising:

an image reading apparatus including reading means for reading an image to obtain image data representing the image and reading side normalization processing condition determining means for determining a normalization processing condition for the image read by the reading means, the image reading apparatus outputting the image data, the normalization processing condition, and reduced image data generated from the image data by the reading side normalization processing condition determining means; and

an image receiving apparatus connected to the image reading apparatus and including normalization processing means for carrying out normalization processing on the image data

AMENDMENT UNDER 37 C.F.R. § 1.114 (c)
U. S. Application No. 09/281,969

under the normalization processing condition and condition changing means for changing the normalization processing condition based on the reduced image data, wherein

the normalization processing means is capable of carrying out normalization processing on the image data under the normalization processing condition changed by the condition changing means; and

the normalization processing condition determined on the reading side is capable of being directly used for normalization processing.

8. (currently amended): An image normalization processing system comprising:
an image reading apparatus including reading means for reading an image to obtain image data representing the image and reading side normalization processing condition determining means for determining a normalization processing condition for the image read by the reading means, the image reading apparatus outputting the image data, the normalization processing condition, reduced image data generated from the image data by the reading side normalization processing condition determining means, and a parameter for determining the normalization processing condition; and

an image receiving apparatus connected to the image reading apparatus and including normalization processing means for carrying out normalization processing on the image data under the normalization processing condition and condition changing means for changing the normalization processing condition based on the reduced image data and the parameter, wherein

the normalization processing means is capable of carrying out normalization processing on the image data under the normalization processing condition changed by the condition changing means; and

AMENDMENT UNDER 37 C.F.R. § 1.114 (c)
U. S. Application No. 09/281,969

the normalization processing condition determined on the reading side is capable of being directly used for normalization processing.

9. (original): An image normalization processing system comprising:
an image reading apparatus including reading means for reading an image to obtain image data representing the image, reading side normalization processing condition determining means for determining a normalization processing condition for the image read by the reading means, reading side normalization processing means for carrying out normalization processing on the image data under the normalization processing condition determined by the reading side normalization processing condition determining means to obtain normalized image data, and judging means for judging whether or not the normalization processing condition is within a predetermined range, the image reading apparatus outputting the normalized image data in the case where the normalization processing condition has been judged by the judging means to be in the predetermined range and outputting the image data in the case where the normalization processing condition has been judged by the judging means to be not in the predetermined range;
and

image receiving apparatus connected to the image reading apparatus and including receiving side normalization processing condition determining means for determining a normalization processing condition for the image based on the image data, and receiving side normalization processing means for carrying out normalization processing on the image data under the normalization processing condition determined by the receiving side normalization processing condition determining means, the receiving side normalization processing condition determining means and the receiving side normalization processing means respectively carrying

AMENDMENT UNDER 37 C.F.R. § 1.114 (c)
U. S. Application No. 09/281,969

out the determination of the normalization processing condition and the normalization processing in the case where the image data have been received by the image receiving apparatus.

10. (original): An image normalization processing system comprising:

image reading apparatus including reading means for reading an image to obtain image data representing the image, reading side normalization processing condition determining means for determining a normalization processing condition for the image read by the reading means, reading side normalization processing means for carrying out normalization processing on the image data under the normalization processing condition determined by the reading side normalization processing condition determining means to obtain normalized image data, and judging means for judging whether or not the normalization processing condition is within a predetermined range, the image reading apparatus outputting the normalized image data in the case where the normalization processing condition has been judged by the judging means to be in the predetermined range, and outputting the image data, and reduced image data generated from the image data by the reading side normalization processing condition determining means in the case where the normalization processing condition has been judged to be not in the predetermined range; and

image receiving apparatus connected to the image reading apparatus and including receiving side normalization processing condition determining means for determining a normalization processing condition for the image based on the reduced image data, and receiving side normalization processing means for carrying out normalization processing on the image data under the normalization processing condition determined by the receiving side normalization processing condition determining means, the receiving side normalization processing condition

AMENDMENT UNDER 37 C.F.R. § 1.114 (c)
U. S. Application No. 09/281,969

determining means and the receiving side normalization processing means respectively carrying out the determination of the normalization processing condition and the normalization processing in the case where the image data and the reduced image data have been received by the image receiving apparatus.

11. (original): An image normalization processing system comprising:

an image reading apparatus including reading means for reading an image to obtain image data representing the image, reading side normalization processing condition determining means for determining a normalization processing condition for the image read by the reading means, reading side normalization processing means for carrying out normalization processing on the image data under the normalization processing condition determined by the reading side normalization processing condition determining means to obtain normalized image data, and judging means for judging whether or not the normalization processing condition is within a predetermined range, the image reading apparatus outputting the normalized image data in the case where the normalization processing condition has been judged by the judging means to be in the predetermined range and outputting the image data and the normalization processing condition in the case where the normalization processing condition has been judged by the judging means to be not in the predetermined range; and

image receiving apparatus connected to the image reading apparatus and including receiving side normalization processing means for carrying out normalization processing on the image data under the normalization processing condition, and condition changing means for changing the normalization processing condition, wherein

AMENDMENT UNDER 37 C.F.R. § 1.114 (c)
U. S. Application No. 09/281,969

the receiving side normalization processing means is capable of carrying out normalization processing on the image data under the normalization processing condition changed by the condition changing means in the case where the image data and the normalization processing condition have been received by the image receiving apparatus.

12. (original): An image normalization processing system comprising:

an image reading apparatus including reading means for reading an image to obtain image data representing the image, reading side normalization processing condition determining means for determining a normalization processing condition for the image read by the reading means, reading side normalization processing means for carrying out normalization processing on the image data under the normalization processing condition determined by the reading side normalization processing condition determining means to obtain normalized image data, and judging means for judging whether or not the normalization processing condition is within a predetermined range, the image reading apparatus outputting the normalized image data in the case where the normalization processing condition has been judged by the judging means to be in the predetermined range and outputting the image data and a parameter for determining the normalization processing condition in the case where the normalization processing condition has been judged by the judging means to be not in the predetermined range; and

image receiving apparatus connected to the image reading apparatus and including receiving side normalization processing condition determining means for determining a normalization processing condition for the image based on the image data and the parameter, and receiving side normalization processing means for carrying out normalization processing on the image data under the normalization processing condition determined by the receiving side

AMENDMENT UNDER 37 C.F.R. § 1.114 (c)
U. S. Application No. 09/281,969

normalization processing condition determining means, the receiving side normalization processing condition determining means and the receiving side normalization processing means respectively carrying out the determination of the normalization processing condition and the normalization processing in the case where the image data and the parameter have been received by the image receiving apparatus.

13. (original): An image normalization processing system comprising:

an image reading apparatus including reading means for reading an image to obtain image data representing the image, reading side normalization processing condition determining means for determining a normalization processing condition for the image read by the reading means, reading side normalization processing means for carrying out normalization processing on the image data under the normalization processing condition determined by the reading side normalization processing condition determining means to obtain normalized image data, and judging means for judging whether or not the normalization processing condition is within a predetermined range, the image reading apparatus outputting the normalized image data in the case where the normalization processing condition has been judged by the judging means to be in the predetermined range and outputting the image data, reduced image data generated from the image data by the reading side normalization processing condition determining means and a parameter for determining the normalization processing condition in the case where the normalization processing condition has been judged by the judging means to be not in the predetermined range; and

image receiving apparatus connected to the image reading apparatus and including receiving side normalization processing condition determining means for determining a

AMENDMENT UNDER 37 C.F.R. § 1.114 (c)
U. S. Application No. 09/281,969

normalization processing condition for the image based on the reduced image data and the parameter, and receiving side normalization processing means for carrying out normalization processing on the image data under the normalization processing condition determined by the receiving side normalization processing condition determining means, the receiving side normalization processing condition determining means and the receiving side normalization processing means respectively carrying out the determination of the normalization processing condition and the normalization processing in the case where the image data, the reduced image data, and the parameter have been received by the image receiving apparatus.

14. (original): An image normalization processing system comprising:

an image reading apparatus including reading means for reading an image to obtain image data representing the image, normalization processing condition determining means for determining a normalization processing condition for the image read by the reading means, reading side normalization processing means for carrying out normalization processing on the image data under the normalization processing condition determined by the normalization processing condition determining means to obtain normalized image data, and judging means for judging whether or not the normalization processing condition is within a predetermined range, the image reading apparatus outputting the normalized image data in the case where the normalization processing condition has been judged by the judging means to be in the predetermined range and outputting the image data, the normalization processing condition, and a parameter for determining the normalization processing condition in the case where the normalization processing condition has been judged by the judging means to be not in the predetermined range; and

AMENDMENT UNDER 37 C.F.R. § 1.114 (c)
U. S. Application No. 09/281,969

image receiving apparatus connected to the image reading apparatus and including receiving side normalization processing means for carrying out normalization processing on the image data under the normalization processing condition, and condition changing means for changing the normalization processing condition based on the parameter, wherein

the receiving side normalization processing means is capable of carrying out normalization processing on the image data under the normalization processing condition changed by the condition changing means in the case where the image data, the normalization processing condition, and the parameter have been received by the image receiving apparatus.

15. (original): An image normalization processing system comprising:

an image reading apparatus including reading means for reading an image to obtain image data representing the image, normalization processing condition determining means for determining a normalization processing condition for the image read by the reading means, reading side normalization processing means for carrying out normalization processing on the image data under the normalization processing condition determined by the normalization processing condition determining means to obtain normalized image data, and judging means for judging whether or not the normalization processing condition is within a predetermined range, the image reading apparatus outputting the normalized image data in the case where the normalization processing condition has been judged by the judging means to be in the predetermined range and outputting the image data, the normalization processing condition, and reduced image data generated from the image data by the normalization processing condition determining means in the case where the normalization processing condition has been judged to be not in the predetermined range by the judging means; and

AMENDMENT UNDER 37 C.F.R. § 1.114 (c)
U. S. Application No. 09/281,969

image receiving apparatus connected to the image reading apparatus and including receiving side normalization processing means for carrying out normalization processing on the image data under the normalization processing condition and condition changing means for changing the normalization processing condition based on the reduced image data, wherein

the receiving side normalization processing means is capable of carrying out normalization processing on the image data under the normalization processing condition changed by the condition changing means in the case where the image data, the normalization processing condition, and the reduced image data have been received by the image receiving apparatus.

16. (original): An image normalization processing system comprising:

an image reading apparatus including reading means for reading an image to obtain image data representing the image, normalization processing condition determining means for determining a normalization processing condition for the image read by the reading means, reading side normalization processing means for carrying out normalization processing on the image data under the normalization processing condition determined by the normalization processing condition determining means to obtain normalized image data, and judging means for judging whether or not the normalization processing condition is within a predetermined range, the image reading apparatus outputting the normalized image data in the case where the normalization processing condition has been judged to be in the predetermined range by the judging means and outputting the image data, the normalization processing condition, reduced image data generated from the image data by the normalization processing condition determining means, and a parameter for determining the normalization processing condition in the case where

AMENDMENT UNDER 37 C.F.R. § 1.114 (c)
U. S. Application No. 09/281,969

the normalization processing condition has been judged by the judging means to be not in the predetermined range; and

image receiving apparatus connected to the image reading apparatus and including receiving side normalization processing means for carrying out normalization processing on the image data under the normalization processing condition and condition changing means for changing the normalization processing condition based on the reduced image data and the parameter, wherein

the receiving side normalization processing means is capable of carrying out normalization processing on the image data under the normalization processing condition changed by the condition changing means in the case where the image data, the normalization processing condition, the reduced image data, and the parameter have been received by the image receiving apparatus.

17. (currently amended): An image normalization processing system comprising:

an image reading apparatus including reading means for reading an image to obtain image data representing the image, reading side normalization processing condition determining means for determining a first normalization processing condition for the image read by the reading means, and reading side normalization processing means for carrying out normalization processing on the image data, the image reading apparatus outputting reduced image data generated from the image data by the reading side normalization processing condition determining means; and

AMENDMENT UNDER 37 C.F.R. § 1.114 (c)
U. S. Application No. 09/281,969

an image receiving apparatus connected to the image reading apparatus and including receiving side normalization processing condition determining means for determining a second normalization processing condition based on the reduced image data, wherein

the second normalization processing condition is output to the image reading apparatus and the reading side normalization processing means carries out normalization processing on the image data under the second normalization processing condition to obtain normalized image data to be output to the image receiving apparatus; and

the normalization processing condition determined on the reading side is capable of being directly used for normalization processing.

18. (original): An image normalization processing system comprising:

an image reading apparatus including reading means for reading an image to obtain image data representing the image and reading side normalization processing condition determining means for determining a normalization processing condition for the image read by the reading means, the image reading apparatus outputting the image data and the normalization processing condition; and

an image receiving apparatus connected to the image reading apparatus and including judging means for judging whether or not the normalization processing condition is within a predetermined range, normalization processing means for carrying out normalization processing on the image data under the normalization processing condition in the case where the normalization processing condition has been judged to be in the predetermined range, and canceling means for canceling the normalization processing by the normalization processing

AMENDMENT UNDER 37 C.F.R. § 1.114 (c)
U. S. Application No. 09/281,969

means under the normalization processing condition in the case where the normalization processing condition has been judged to be not in the predetermined range.

19. (original): An image normalization processing system according to Claim 18 further comprising warning means for issuing a warning in the case where the normalization processing has been canceled by the canceling means.

20. (original): An image normalization processing system according to Claim 18 further comprising condition changing means for changing the normalization processing condition, wherein the normalization processing condition is changed by the condition changing means and the normalization processing means carries out normalization processing on the image data under the changed normalization processing condition in the case where the normalization processing has been canceled by the canceling means.

21. (original): An image normalization processing system according to Claim 19 further comprising condition changing means for changing the normalization processing condition, wherein the normalization processing condition is changed by the condition changing means and the normalization processing means carries out normalization processing on the image data under the changed normalization processing condition in the case where the normalization processing has been canceled by the canceling means.

22. (canceled).

23. (currently amended): An image output method wherein an image reading apparatus, comprising reading means for reading an image to obtain image data representing the image and normalization processing condition determining means for determining a normalization

AMENDMENT UNDER 37 C.F.R. § 1.114 (c)
U. S. Application No. 09/281,969

processing condition for the image read by the reading means, outputs the image data to an image receiving apparatus; wherein,

in addition to the image data, at least one of the normalization processing condition, reduced image data generated from the image data by the normalization processing condition determining means, and a parameter for determining the normalization processing condition are output to the image receiving apparatus; and

the normalization processing condition determined on the reading side is capable of being directly used for normalization processing.

24. (currently amended): An image output method wherein an image reading apparatus, comprising reading means for reading an image to obtain image data representing the image and normalization processing condition determining means for determining a normalization processing condition for the image read by the reading means, outputs the image data to an image receiving apparatus;

wherein whether or not the normalization processing condition is within a predetermined range is judged and

in addition to the image data, at least one of the normalization processing condition, reduced image data generated from the image data by the normalization processing condition determining means, and a parameter for determining the normalization processing condition are output to the image receiving apparatus when the normalization processing condition is not within the predetermined range;

wherein the normalization processing condition determined on the reading side is capable of being directly used for normalization processing.

AMENDMENT UNDER 37 C.F.R. § 1.114 (c)
U. S. Application No. 09/281,969

25. (previously presented): The image normalization processing system of claim 1, wherein the image read by the reading means is a radiation image stored on a stimutable phosphor sheet.

26. (previously presented): The image normalization processing system of claim 2, wherein the image read by the reading means is a radiation image stored on a stimutable phosphor sheet.

27. (previously presented): The image normalization processing system of claim 3, wherein the image read by the reading means is a radiation image stored on a stimutable phosphor sheet.

28. (previously presented): The image normalization processing system of claim 4, wherein the image read by the reading means is a radiation image stored on a stimutable phosphor sheet.

29. (previously presented): The image normalization processing system of claim 6, wherein the image read by the reading means is a radiation image stored on a stimutable phosphor sheet.

30. (previously presented): The image output method of claim 23, wherein the image read by the reading means is a radiation image stored on a stimutable phosphor sheet.

31. (canceled).

32. (canceled).